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# 2



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**RAW SEQUENCE LISTING**  
**PATENT APPLICATION:** US/10/077,624

**DATE:** 03/04/2002  
**TIME:** 15:58:29

**Input Set :** A:\EP.txt  
**Output Set:** N:\CRF3\03042002\J077624.raw

```

2 <110> APPLICANT: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
3           WASHINGTON DENTAL SERVICE
4           Shi, Wenyuan
5           Anderson, Maxwell
6           Morrison, Sherie
7           Trinh, Kham
8           Wims, Letitia
9           Chen, Li
10          Qi, Fengxia
12 <120> TITLE OF INVENTION: ANTI-MICROBIAL TARGETING CHIMERIC PHARMACEUTICAL
14 <130> FILE REFERENCE: 2101363-991200
C--> 16 <140> CURRENT APPLICATION NUMBER: US/10/077,624
C--> 16 <141> CURRENT FILING DATE: 2002-02-14
16 <150> PRIOR APPLICATION NUMBER: US 09/910,358
17 <151> PRIOR FILING DATE: 2001-07-19
19 <150> PRIOR APPLICATION NUMBER: US 09/378,577
20 <151> PRIOR FILING DATE: 1999-08-20
22 <160> NUMBER OF SEQ ID NOS: 31
24 <170> SOFTWARE: PatentIn version 3.1
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 563
28 <212> TYPE: DNA
29 <213> ORGANISM: Artificial sequence
31 <220> FEATURE:
32 <223> OTHER INFORMATION: Synthesized using sequential PCR techniques
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37 tccagtgtga tagccacgct aagcggcacc acggatataa gcggaaagtgc cacgagaagc 120
39 accactcgca cagaggatac tctgggtggcg gtggctcgaa cggagggtggg tcgggtggcg 180
41 gcggatccga cgtgaagctt gtggagtctg ggggaggctt agtgaaccct ggagggtccc 240
43 tggaaactctc ctgtcagcc tctggattca ctttcagtag ctataccatg tcttgggttc 300
45 gccagactcc ggagaagagg ctggagtggg tcgcattccat tagtagtggt ggtacttaca 360
47 cctactatcc agacagtgtg aaggggccat tcaccatctc cagagacaat gccaagaaca 420
49 ccctgtaccc gcaaattgacc agtctgaagt ctgagacac agccatgtat tactgttcaa 480
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59 <213> ORGANISM: Artificial sequence
61 <220> FEATURE:
62 <223> OTHER INFORMATION: Synthesized using sequential PCR techniques
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71 20  
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80 <223> OTHER INFORMATION: Synthesized using sequential PCR techniques  
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89 <211> LENGTH: 165  
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93 <220> FEATURE:  
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96 <400> SEQUENCE: 4  
98 Asp Ser His Ala Lys Arg His His Gly Tyr Lys Arg Lys Phe His Glu  
99 1 5 10 15  
102 Lys His His Ser His Arg Gly Tyr Ser Gly Gly Gly Ser Gly Gly  
103 20 25 30  
106 Gly Gly Ser Gly Gly Gly Ser Asp Val Lys Leu Val Glu Ser Gly  
107 35 40 45  
110 Gly Gly Leu Val Asn Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala Ala  
111 50 55 60  
114 Ser Gly Phe Thr Phe Ser Ser Tyr Thr Met Ser Trp Val Arg Gln Thr  
115 65 70 75 80  
118 Pro Glu Lys Arg Leu Glu Trp Val Ala Ser Ile Ser Ser Gly Gly Thr  
119 85 90 95  
122 Tyr Thr Tyr Tyr Pro Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg  
123 100 105 110  
126 Asp Asn Ala Lys Asn Thr Leu Tyr Leu Gln Met Thr Ser Leu Lys Ser  
127 115 120 125  
130 Glu Asp Thr Ala Met Tyr Tyr Cys Ser Arg Asp Asp Gly Ser Tyr Gly  
131 130 135 140  
134 Ser Tyr Tyr Tyr Ala Met Asp Tyr Trp Gly Gln Gly Thr Ser Val Thr  
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138 Val Ser Ser Ala Ser  
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144 <212> TYPE: DNA  
145 <213> ORGANISM: Artificial sequence  
147 <220> FEATURE:  
148 <223> OTHER INFORMATION: Synthesized using sequential PCR techniques  
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151 ggatatccac catggacttc gggttgagct tggtttcct tgtccttact ttaaaaggtg 60  
 153 tccagtgtaa gcggctgttt aaggagctca agttcagcct gcgcagaatc tctgggtggcg 120  
 155 gtggctcggg cggaggtggg tcgggtggcg gcggatccga cgtgaagctt gtggagtctg 180  
 157 ggggaggcgtt agtgaaccct ggagggtccc tgaaactctc ctgtgcagcc tctggattca 240  
 159 ctttcagtag ctataccatg tcttgggttc gccagactcc ggagaagagg ctggagtg 300  
 161 tcgcattccat tagtagtggg ggtacttaca cctactatcc agacagtgtg aaggccgat 360  
 163 tcaccatctc cagagacaat gccaagaaca ccctgtacct gcaaattgacc agtctgaagt 420  
 165 ctgaggcac acgcatgttat tactgttcaa gagatgacgg ctcctacggc tccttattact 480  
 167 atgctatgga ctactgggt caaggaacct cagtcaccgt ctcttcagct agc 533  
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 173 <213> ORGANISM: Artificial sequence  
 175 <220> FEATURE:  
 176 <223> OTHER INFORMATION: Synthesized using sequential PCR techniques  
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 181 1 5 10  
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 190 <223> OTHER INFORMATION: Synthesized using sequential PCR techniques  
 192 <400> SEQUENCE: 7  
 194 Lys Arg Leu Phe Lys Glu Leu Lys Phe Ser Leu Arg Lys Tyr Ser Gly  
 195 1 5 10 15  
 198 Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser Asp Val  
 199 20 25 30  
 202 Lys Leu Val Glu Ser Gly Gly Leu Val Asn Pro Gly Gly Ser Leu  
 203 35 40 45  
 206 Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr Thr Met  
 207 50 55 60  
 210 Ser Trp Val Arg Gln Thr Pro Glu Lys Arg Leu Glu Trp Val Ala Ser  
 211 65 70 75 80  
 214 Ile Ser Ser Gly Gly Thr Tyr Thr Tyr Tyr Pro Asp Ser Val Lys Gly  
 215 85 90 95  
 218 Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr Leu Gln  
 219 100 105 110  
 222 Met Thr Ser Leu Lys Ser Glu Asp Thr Ala Met Tyr Tyr Cys Ser Arg  
 223 115 120 125  
 226 Asp Asp Gly Ser Tyr Gly Ser Tyr Tyr Tyr Ala Met Asp Tyr Trp Gly  
 227 130 135 140  
 230 Gln Gly Thr Ser Val Thr Val Ser Ser Ala Ser  
 231 145 150 155  
 234 <210> SEQ ID NO: 8  
 235 <211> LENGTH: 89  
 236 <212> TYPE: DNA  
 237 <213> ORGANISM: Artificial sequence

## RAW SEQUENCE LISTING

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Input Set : A:\EP.txt

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239 <220> FEATURE:  
 240 <223> OTHER INFORMATION: Primer 986  
 242 <400> SEQUENCE: 8  
 243 caccactcgc acagaggata ctctggtggc ggtggctcg ggccgagggtgg gtcgggtggc 60  
 245 ggcggatccg acgtaaagct tgtggagtc 89  
 248 <210> SEQ ID NO: 9  
 249 <211> LENGTH: 84  
 250 <212> TYPE: DNA  
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 253 <220> FEATURE:  
 254 <223> OTHER INFORMATION: Primer 987  
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 259 aagcaccact cgcacagagg atac 84  
 262 <210> SEQ ID NO: 10  
 263 <211> LENGTH: 74  
 264 <212> TYPE: DNA  
 265 <213> ORGANISM: Artificial sequence  
 267 <220> FEATURE:  
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 273 ccagtgtgat agcc 74  
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 277 <211> LENGTH: 87  
 278 <212> TYPE: DNA  
 279 <213> ORGANISM: Artificial sequence  
 281 <220> FEATURE:  
 282 <223> OTHER INFORMATION: Primer 989  
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 285 gttcagcctg cgcaagtaact ctgggtggcgg tggctcgggc ggaggtgggt cgggtggcgg 60  
 287 cggatccgac gtgaagcttg tggagtc 87  
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 292 <212> TYPE: DNA  
 293 <213> ORGANISM: Artificial sequence  
 295 <220> FEATURE:  
 296 <223> OTHER INFORMATION: Primer 990  
 298 <400> SEQUENCE: 12  
 299 gtccttactt taaaagggtgt ccagtgtaa cggctgtta aggagctcaa gttcagcctg 60  
 301 cgcaagtaac 69  
 304 <210> SEQ ID NO: 13  
 305 <211> LENGTH: 65  
 306 <212> TYPE: DNA  
 307 <213> ORGANISM: Artificial sequence  
 309 <220> FEATURE:  
 310 <223> OTHER INFORMATION: Primer 991  
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Input Set : A:\EP.txt

Output Set: N:\CRF3\03042002\J077624.raw

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323 <220> FEATURE:	
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327 tgggtcgacw gatggggstg ttgtgctagc tgaggagac	39
330 <210> SEQ ID NO: 15	
331 <211> LENGTH: 18	
332 <212> TYPE: PRT	
333 <213> ORGANISM: Artificial sequence	
335 <220> FEATURE:	
336 <223> OTHER INFORMATION: Protegrin PG-1	
338 <400> SEQUENCE: 15	
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341 1                       5                       10                       15	
344 Gly Arg	
348 <210> SEQ ID NO: 16	
349 <211> LENGTH: 57	
350 <212> TYPE: DNA	
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362 <212> TYPE: PRT	
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365 <220> FEATURE:	
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371 1                       5                       10                       15	
374 Tyr Gly	
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380 <212> TYPE: DNA	
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383 <220> FEATURE:	
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391 <211> LENGTH: 23	
392 <212> TYPE: DNA	
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**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/077,624

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Input Set : A:\EP.txt

Output Set: N:\CRF3\03042002\J077624.raw

L:16 M:270 C: Current Application Number differs, Replaced Current Application No

L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date